

SEQUENCE LISTING

<110> Freedman, Leonard P.
Glantschnig, Helmut
Harada, Shun-ichi
Hess, John W.

<120> CYNOMOLGUS MONKEY DICKKOPF-4,
NUCLEOTIDES ENCODING SAME, AND USES THEREOF

<130> 21351YP

<150> PCT/US2004/037799

<151> 2004-11-12

<150> 60/520,569

<151> 2003-11-17

<160> 13

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 675

<212> DNA

<213> MACACA FASCICULARIS

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ccgttctgtg ctacatgtcg tgggttgcag aggaggtgcc agcgagatgc catgtgctgc 240
cctgggacac tctgcatgaa tgatgtttgt actacgatgg aagacgcaac cccaaaattg 300
gaaaggcagc ttgatgagca agatggcaca catgcagaag taacaactgg gcacccagtc 360
caggaaaacc aaccaagag gaagccaagt attaagaaat cacaaggcag gaagggacaa 420

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 cataaagaca ctgctcaagc tccagaaatc ttccagcgtt gcgactgtgg ccccgacta 600
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<210> 2

<211> 224

<212> PRT

<213> MACACA FASCICULARIS

<400> 2

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Thr	Arg	Lys	Phe	Cys	Leu	Gln	Ser	His	Asn	Glu	Lys	Pro	Phe	Cys	Ala
	50					55					60				
Thr	Cys	Arg	Gly	Leu	Gln	Arg	Arg	Cys	Gln	Arg	Asp	Ala	Met	Cys	Cys
65				70					75					80	
Pro	Gly	Thr	Leu	Cys	Met	Asn	Asp	Val	Cys	Thr	Thr	Met	Glu	Asp	Ala
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Thr	Pro	Lys	Leu	Glu	Arg	Gln	Leu	Asp	Glu	Gln	Asp	Gly	Thr	His	Ala
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Glu	Val	Thr	Thr	Gly	His	Pro	Val	Gln	Glu	Asn	Gln	Pro	Lys	Arg	Lys
		115					120					125			
Pro	Ser	Ile	Lys	Lys	Ser	Gln	Gly	Arg	Lys	Gly	Gln	Glu	Gly	Glu	Ser
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Cys	Leu	Arg	Thr	Phe	Asp	Cys	Gly	Pro	Gly	Leu	Cys	Cys	Ala	Arg	His
145				150					155					160	
Phe	Trp	Thr	Lys	Ile	Cys	Lys	Pro	Val	Leu	Leu	Glu	Gly	Gln	Val	Cys
			165					170					175		
Ser	Arg	Arg	Gly	His	Lys	Asp	Thr	Ala	Gln	Ala	Pro	Glu	Ile	Phe	Gln
		180					185					190			
Arg	Cys	Asp	Cys	Gly	Pro	Gly	Leu	Leu	Cys	Arg	Ser	Gln	Leu	Thr	Ser

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<212> DNA
<213> HOMO SAPIENS

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<210> 4
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His Gly Ala Arg Lys Gly Ser Gln Cys Leu Ser Asp Thr Asp Cys Asn
 35 40 45
 Thr Arg Lys Phe Cys Leu Gln Pro Arg Asp Glu Lys Pro Phe Cys Ala
 50 55 60
 Thr Cys Arg Gly Leu Arg Arg Arg Cys Gln Arg Asp Ala Met Cys Cys
 65 70 75 80
 Pro Gly Thr Leu Cys Val Asn Asp Val Cys Thr Thr Met Glu Asp Ala
 85 90 95
 Thr Pro Ile Leu Glu Arg Gln Leu Asp Glu Gln Asp Gly Thr His Ala
 100 105 110
 Glu Gly Thr Thr Gly His Pro Val Gln Glu Asn Gln Pro Lys Arg Lys
 115 120 125
 Pro Ser Ile Lys Lys Ser Gln Gly Arg Lys Gly Gln Glu Gly Glu Ser
 130 135 140
 Cys Leu Arg Thr Phe Asp Cys Gly Pro Gly Leu Cys Cys Ala Arg His
 145 150 155 160
 Phe Trp Thr Lys Ile Cys Lys Pro Val Leu Leu Glu Gly Gln Val Cys
 165 170 175
 Ser Arg Arg Gly His Lys Asp Thr Ala Gln Ala Pro Glu Ile Phe Gln
 180 185 190
 Arg Cys Asp Cys Gly Pro Gly Leu Leu Cys Arg Ser Gln Leu Thr Ser
 195 200 205
 Asn Arg Gln His Ala Arg Leu Arg Val Cys Gln Lys Ile Glu Lys Leu
 210 215 220

<210> 5

<211> 221

<212> PRT

<213> MUS MUSCULUS

<400> 5

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 Gln Gly Ala Gly Lys Gly Ser Leu Cys Ala Ser Asp Arg Asp Cys Ser

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Glu Gly Lys Phe Cys Leu Ala Phe His Asp Glu Arg Ser Phe Cys Ala		
50	55	60
Thr Cys Arg Arg Val Arg Arg Arg Cys Gln Arg Ser Ala Val Cys Cys		
65	70	75
Pro Gly Thr Val Cys Val Asn Asp Val Cys Thr Ala Val Glu Asp Thr		
85	90	95
Arg Pro Val Met Asp Arg Asn Thr Asp Gly Gln Asp Gly Ala Tyr Ala		
100	105	110
Glu Gly Thr Thr Lys Trp Pro Ala Glu Glu Asn Arg Pro Gln Gly Lys		
115	120	125
Pro Ser Thr Lys Lys Ser Gln Ser Ser Lys Gly Gln Glu Gly Glu Ser		
130	135	140
Cys Leu Arg Thr Ser Asp Cys Gly Pro Gly Leu Cys Cys Ala Arg His		
145	150	155
Phe Trp Thr Lys Ile Cys Lys Pro Val Leu Arg Glu Gly Gln Val Cys		
165	170	175
Ser Arg Arg Gly His Lys Asp Thr Ala Gln Ala Pro Glu Ile Phe Gln		
180	185	190
Arg Cys Asp Cys Gly Pro Gly Leu Thr Cys Arg Ser Gln Val Thr Ser		
195	200	205
Asn Arg Gln His Ser Arg Leu Arg Val Cys Gln Arg Ile		
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<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> F2 PRIMER

<400> 6

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<213> Artificial Sequence

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<223> R2 PRIMER

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<210> 8

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> F PRIMER

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<210> 9

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> FF PRIMER

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<210> 10

<211> 42

<212> DNA

<213> Artificial Sequence

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<211> 47

<212> DNA

<213> Artificial Sequence

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<223> Fseq PRIMER

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<210> 13

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Rseq PRIMER

<400> 13

21351YP

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21